

AGMA

Who are we?

What do we do?

What's the future?



Who are we?



Demographics

- 425 members

- 335 In North America

 - (22 of these are int'l firms who use US offices)

- 90 In Other Countries

Median gear company ~ \$9 million

Average ~ \$32 million

Range <\$100K to ~\$1 billion

Membership

covers the entire industry



- Corporate Members - 80%
 - Company/full members - 53%
 - International - 9%
 - Users - 7%
 - Suppliers - 11%
- Academic Members - 15%
- Consultants - 5%

What do we do?



Structure

- Technical Division
- Administrative Division
- Operations

AGMA TECHNICAL DIVISION REPORT

“Provide the best available applied gear technology to industry through standards development and associated programs.”



Primary Roles



- Standards development
- Software development
- Main TAG - International standards
- Educational seminars
- Standards interpretations
- Fall Technical Meeting
- Secretariat to ISO's TC 60 (gearing)

AGMA Standards Development



- 23 Committees (consolidated, 28 in 2000)
- 53 Standards
- 20 Information Sheets (up 11%)
- Documents must be revised or reaffirmed every five years

Documents in Process

(45 by 23 Committees)



-18 Information Sheets
(16 new, 2 revision)

-27 National Standards
(10 new, 17 revisions)

AGMA Technical Committees



- Fine Pitch Gearing
- Plastics Gearing
- Powder Metallurgy Gearing
- Metallurgy & Materials
- Inspection & Handbook
- Calibration
- Nomenclature
- Software
- Helical Gear Rating
- Enclosed Gear Drives
(including gear motors)
- High Speed Gearing
- Wormgearing (Cylindrical & Globoidal)
- Lubrication
- Sound and Vibration
- Flexible Couplings
- Bevel Gear Rating
- Cutting Tools
- Vehicle Gearing
- Aerospace Gearing
- Epicyclic Enclosed Drives
- Marine Enclosed Drives
- Wind Turbine Units
- Mill Gearing

Software Committee



- ISO6336 Gear Rating- finished & updated
- Additional programs close to market
 - Gear geometry checking (ANSI/AGMA 2002)
 - ANSI/AGMA 2001 Spur & Helical Rating
(to be integrated with ISO 6336)
- Additional programs being developed
 - Bevel gear programs for geometry & rating
(to include ISO 10300 and ANSI/AGMA 2003)

International Activities Report



ISO Standards Development



- 10 Working Groups active
- 20 Standards and Technical Reports
in process (19 last year)
- 1 Documents at publication (3 last year)
- 41 Should be revised or reaffirmed
every five years (34 last year)

AGMA & ISO Parallel Standards Development



- Helical Gear Rating
- Bevel Gear Rating
- Wormgear Rating
- High Speed Units
- Nomenclature
- Calibration
- Inspection
- Metallurgy & Materials
- Cutting Tools

ISO Benefits to U.S. Industry



- International agreement on design criteria
- International pooling of technical knowledge
- Common basis for similar products
- Integrate the U.S. position
- Prevent conflicts with AGMA standards
- Remain current on international activities
- Learning and education
- Common language for trade

AGMA

Administrative Division



MISSION



To conduct programs of a
managerial and educational nature
that will enhance the
manufacturing and distribution of
AGMA member companies' products.

Councils



- Education Council
- Financial Management Council
- International Council (new)
- Marketing Council
- Public Affairs Council
- Small Business Council
- Statistical Council
- Trade Show Advisory Council

Membership - ADEC



Chair: **Martin Woodhouse**

Vice Chair: **Dennis Gimpert**

Marquis Cooke

Cameron Drecoll

Gary Figler

Abdul Halim

Leslie Hennessy

Dave McCarthy

Jack Nowlin

Terry Orr

Roger Pennycook

Arlin Perry

Dennis Regan

Fred Sowinski

Star Cutter Company

Koeper America, L.L.C.

Rexnord Geared Products Division

Brad Foote Gear Works, Inc.

The Gleason Works

G&N Rubicon Gear, Inc.

Lovejoy, Inc.

Dorris Company

C-B Gear & Machine, Inc.

Lufkin Industries

Textron Power Transmission

Comer, Inc.

American Precision Gear Company

Falk Corporation

Activities and Programs



- The Annual Meeting
- GEAR EXPO
- Training School for Gear Manufacturing
- Member Product Capabilities List
- Educational Programs
- Co-sponsoring Events with Other Associations
- Developing Business Plans for Administrative Division Councils
- Monthly Market Trend Report
- Operating Ratio Report
- Wage and Benefit Survey
- Public Affairs Issues
- Special Interest Seminars
- Representation on the AGMA Executive and Strategic Planning Committees
- Promoting AGMA at International Gear-oriented Events – i.e. Hannover Fair

Operations



Annual budget = \$2.5 million

Headquarters staff = 13

Technical Division = 5

Administrative Division = 4

Finance & Administration = 3

Issues facing the industry



- Management shift – owner-operated to professionally managed
- Consolidation at all levels
- OEM outsourcing w/systems focus
- Global vs national industries

Where is AGMA going in the future?



- Gearing & Mechanical Power Transmission
- Global membership/activities
- Systems as well as components
- Multi-divisional companies
- Global alliances & networking

AGMA Foundation

